



CITY OF EAST CHICAGO
Anthony Copeland, Mayor

East Chicago Sanitary District
Dr. Abderrahman Zehraoui, Director

5201 Indianapolis Boulevard
East Chicago, IN 46312
Phone: (219) 391-8466
Fax: (219) 391-8254

October 21, 2019

Natalie Maupin
Indiana Department of Environmental Management
Office of Water Quality-Mail Code 65-42
Compliance Evaluation Section-Pretreatment Group
100 North Senate
Indianapolis, IN 46204-2251

**RE: East Chicago Sanitary District
Quarterly Compliance Pretreatment Report
3rd Quarter Report of 2018**

To Natalie Maupin:

In accordance with Part III A (1) of the NPDES Permit No. 0022829, the East Chicago Sanitary District Pretreatment Staff has prepared and enclosed the Quarterly Report for the 3rd Quarter of 2018. Should you have any questions, please contact me at (219) 391-8466.

Sincerely,

Kenneth L. Myers

CC: Newton Ellens, USEPA
Abderrahman Zehraoui, Ph.D., Director of Utilities, ECSD

Encls.

EAST CHICAGO SANITARY DISTRICT
EAST CHICAGO, INDIANA
3rd QUARTER
INDUSTRIAL COMPLIANCE STATUS REPORT
2018

The District has a total of 23 permitted Industrial Users (IUs), eight which are categorized as Significant Industrial Users (SIUs). The eight SIU permittees consist of five Categorical Industrial Users (CIUs) [Outfall #312 ó Electric Coatings, Outfall #415 - TAC East Inc., Outfall #514 ó National Processing Corporation, Outfall #521 - Lakeshore Railcar Services, and Outfall #901 ó Safety Kleen] and three other IUs [Outfall #401 ó W. R. Grace, Outfall #936 ó US Steel Corporation, and Outfall #951 US Gypsum]. The industrial permit for one IU, #421 ó Central States Marketing, was terminated on September 1, 2018, as they have ceased production of their plastic straws and is no longer required to have a pretreatment permit.

Except for the permitted IUs involving groundwater remediation projects (Outfalls 112, 124 and 411), each of the permitted IUs are sampled on monthly basis, as a minimum. This compliance report covers the period from July 1, 2018 to September 30, 2018.

The permitted industrial users (IUs) were sampled during this quarter as listed below.

Outfall	Company	Number of Sampling Events		
		Jul	Aug	Sep
112	GATX	0	0	0
124	Buckeye Pipeline	0	0	0
312	Electric Coatings	1	1	1
401	WR Grace	1	1	1
411	USS Lead Site	0	1	0
415	TAC East	1	1	1
421	Central States Marketing	1	1	0
511	Green Lake Tube	1	1	1
514	National Processing	1	1	1
518	ICO Polymers	1	1	1
521	Lakeshore Railcar	2	2	2
531	Praxair, Inc. Production	1	1	1
541	Praxair, Inc. Rare Gases	1	1	1
611	Arcelor Mittal- Research	1	1	1
804	Arcelor Mittal East	1	1	1
805	Arcelor Mittal East	1	1	1
901	Safety-Kleen	1	2	2
931	Arcelor Mittal West	1	1	1
934	Arcelor Mittal West	1	1	1
935	Arcelor Mittal West	1	1	1
936	US Steel	1	1	1
941	Praxair, Inc. HyCO	1	1	1
951	US Gypsum	1	1	1

During the 3rd quarter of 2018, the following Categorical Industrial Users (CIUs) experienced violations with the following parameters and are summarized as follows:

East Chicago Sanitary District
Compliance Status Report
Report Date Range: 7/1/2018 - 9/30/2018

Varnu	Variable	Violation	Limit Description	Limit
52192	312 Available Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
77611	411 Bis (2-ethylhexyl) phthalate {mg/L}	1	Daily Maximum Limit	>1.03
57421	415 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
58199	421 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
62199	521 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
63191	531 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
63421	531 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
64191	541 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
66031	611 Field pH {su}	1	Daily Maximum Limit	>10
70191	901 Amen. Cyanide {mg/L}	4	Daily Maximum Limit	>=0.004
70199	901 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
70461	901 Total Mercury (Hg) {mg/L}	2	Daily Maximum Limit	>0.00029
76191	951 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
76141	951 Total Phosphorus {mg/L}	1	Daily Maximum Limit	>5.5

No other violations were noted during the 3rd quarter 2018 pretreatment monitoring by the District or IU self-monitoring reports. The violations at the IUs noted above were handled in accordance with the Sanitary District's Response Plan and Sewer Ordinance. The following summarizes the Notices of Violations (NOVs) and fines that were issued to the various users.

Sample Date	Outfall	Parameter(s)	Reported Concentration	Fine Amount
7/11/2018	312	CN	0.0041	\$ 2,000
8/24/2019	411	bis (2EH)	1.4	\$ 1,000
9/6/2019	415	Cu	0.27	\$ 1,000
7/25/2019	421	Res Cl2	0.94	No Fine
8/1/2019	421	Res Cl2	0.74	No Fine
7/18/2019	521	Res Cl2	2.2	\$ 1,000
8/15/2019	521	Res Cl2	0.88	No Fine
7/10/2018	531	CN	0.0073	\$ 1,000
7/10/2018	541	CN	0.006	\$ 1,000
7/16/2019	611	pH	11.7	\$ 1,000
7/26/2019	901	Hg	0.003	\$ 2,500
7/26/2019	901	CN	0.024	\$ 2,500
7/26/2019	901	Res Cl2	0.67	No Fine
8/30/2019	901	CN	0.014	\$ 2,500
9/13/2019	901	CN	0.018	\$ 2,500
9/25/2019	901	Hg, CN, Res Cl	0.004, 0.016, 2.07	\$ 5,000
7/12/2018	951	P, CN	6.84, 0.0056	\$ 2,000

A Quarterly Summary Report for each IU having an exceedance of a local or categorical limit based upon the analytical results of sampling completed between the period July 1 through September 30, 2018 is included as an attachment to this letter. These summaries provide the dates and analytical results of the pretreatment monitoring for each facility. Analytical results that exceed the local or categorical limit are highlighted.

Monthly Pretreatment Monitoring Report Summaries for IUs with Violations

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: <i>Electric Coating Technologies</i>									
Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/11/18 7.2	07/11/18 0.0000	0.0000	09/19/18 0.0000	0.0000	09/19/18 0.0044	0.0000	07/11/18 0.0000	0.0000
Sample #2 Date, Result	08/14/18 8.6	08/14/18 0.0000	0.0000					08/14/18 0.0000	0.0000
Sample #3 Date, Result	09/19/18 7.3							09/19/18 0.0000	0.0000
Minimum		0.0000	0.0000	0.0000	0.0000	0.0044	0.0000		0.0000
Maximum		0.0000	0.0000	0.0000	0.0000	0.0044	0.0000		0.0000
Average	7.7	0.0000	0.0000	0.0000	0.0000	0.0044	0.0000		0.0000
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result		07/11/18 0.0000	0.0000	09/19/18 0.0000	0.0000	07/11/18 0.0000	0.0000	07/11/18 0.0850	0.0850
Sample #2 Date, Result		08/14/18 0.0000	0.0000			08/14/18 0.0000	0.0000	08/14/18 0.2000	0.2000
Sample #3 Date, Result		09/19/18 0.0000	0.0000			09/19/18 0.0000	0.0000	09/19/18 0.1700	0.1700
Minimum		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0850
Maximum		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.2000
Average		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.1517
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result				07/11/18 0.1500	0.1500	08/14/18 0.0000	0.0000	07/11/18 0.3400	0.3400
Sample #2 Date, Result				08/14/18 0.1700	0.1700			08/14/18 0.5600	0.5600
Sample #3 Date, Result									
Minimum				0.1500	0.1500	0.0000	0.0000		0.3400
Maximum				0.1700	0.1700	0.0000	0.0000		0.5600
Average				0.1600	0.1600	0.0000	0.0000		0.4500
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/11/18 0.0000			07/11/18 0.0000	0.0000	07/11/18 0.0041	0.0041	07/11/18 3.0000	3.0000
Sample #2 Date, Result	08/14/18 0.0600			08/14/18 0.0000	0.0000			08/14/18 0.0000	0.0000
Sample #3 Date, Result				09/19/18 0.0000	0.0000				
Minimum	0.0000			0.0000	0.0000	0.0041	0.0041		0.0000
Maximum	0.0600			0.0000	0.0000	0.0041	0.0041		3.0000
Average	0.0300			0.0000	0.0000	0.0041	0.0041		1.5000
Total Toxic Organics		Chloroform		Naphthalene		Methylene Chloride		Biochemical Oxygen Demand	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									
Chloride		Chemical Oxygen Demand		TDS		TSS		Sulfate	
Sample #1 Date, Result	07/11/18 380.0000	07/11/18 20.0000	20.0000	07/11/18 6,500.00	6,500.00	07/11/18 13.00	13.00	07/11/18 4,900.000	4,900.000
Sample #2 Date, Result	08/14/18 1,100.0000	08/14/18 32.0000	32.0000	08/14/18 6,600.00	6,600.00	08/14/18 8.80	8.80	08/14/18 3,900.000	3,900.000
Sample #3 Date, Result									
Minimum	380.0000	20.0000	20.0000	6,500.00	6,500.00	8.80	8.80		3,900.000
Maximum	1,100.0000	32.0000	32.0000	6,600.00	6,600.00	13.00	13.00		4,900.000
Average	740.0000	26.0000	26.0000	6,550.00	6,550.00	10.90	10.90		4,400.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: <i>Electric Coating Technologies</i>									
Daily Max Limits					Monthly Average Limits				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic	mg/L	1.31	0	0	Cadmium*	mg/L	0.07	0.0000	0
Cadmium*	mg/L	0.11	0	0	Chromium*	mg/L	1.71	0.0000	0
Copper*	mg/L	0.88	0	0	Copper*	mg/L	2.07	0.0044	0
Lead*	mg/L	0.69	0	0	Nickel*	mg/L	2.38	0.0000	0
Molybdenum	mg/L	2.8	0	0	Silver*	mg/L	0.24	0.0000	0
Nickel*	mg/L	0.80	0	0	Zinc*	mg/L	1.48	0.1517	0
Silver*	mg/L	0.43	0	0	Lead*	mg/L	0.43	0.0000	0
Thallium	mg/L	NL	0	0					
Zinc*	mg/L	2.61	0	0					
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0	Other Limits				
Fluoranthene	mg/L	NL	0	0	Parameter	Units	Daily Minimum	Daily Maximum	Violations
Fluoride	mg/L	30	0	0	Field pH	su	5	10	0
Mercury	mg/L	0.0002	0	0					
Ammonia	mg/L	134	0	0					
Phosphorus	mg/L	31	0	0					
Phenols	mg/L	0.96	0	0					
Chromium*	mg/L	7.0	0	0					
Available Cyanide	mg/L	0.019	0	0					
Oil & Grease	mg/L	117	0	0					
Residual Chlorine	mg/L	NL	0	0					
Total Toxic Organics*	mg/L	2.13	0	0					

***Site Specific Limit**

Total Toxic Organics equals sum of chloroform, naphthalene and methylene chloride concentrations

**If not specified, the unit is in mg/L

of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: USS Lead

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result			08/24/18	0.3100	08/24/18	0.0005	08/24/18	0.0020	08/24/18	0.0013
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum				0.3100		0.0005		0.0020		0.0013
Maximum				0.3100		0.0005		0.0020		0.0013
Average				0.3100		0.0005		0.0020		0.0013
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result			08/24/18	0.00560	08/24/18	0.0011	08/24/18	0.00230	08/24/18	0.0360
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum				0.0056		0.0011		0.0023		0.0360
Maximum				0.0056		0.0011		0.0023		0.0360
Average				0.0056		0.0011		0.0023		0.0360
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	08/24/18	1.4000	08/24/18	0.360	08/24/18	5.3000	08/24/18	0.0001	08/24/18	5.4000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		1.4000		0.3600		5.3000		0.0001		5.4000
Maximum		1.4000		0.3600		5.3000		0.0001		5.4000
Average		1.4000		0.3600		5.3000		0.0001		5.4000
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	08/24/18	0.0500	08/24/18	0.0000	08/24/18	0.0022	08/24/18	0.0030	08/24/18	1.5000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.0500		0.0000		0.0022		0.0030		1.5000
Maximum		0.0500		0.0000		0.0022		0.0030		1.5000
Average		0.0500		0.0000		0.0022		0.0030		1.5000
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result					08/24/18	18.00			08/24/18	30.00
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum						18.0000				30.00
Maximum						18.0000				30.00
Average						18.0000				30.00
	Sulfate									
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: USS Lead

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	1	1
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

*Site Specific Limit
 **If not specified, the unit is in mg/L

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
 If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *TAC East, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/25/18	6.9	07/25/18	0.00	07/25/18	0.0002	07/25/18	0.022	07/25/18	0.0000
Sample #2 Date, Result	08/16/18	6.9	08/16/18	0.0000	08/16/18	0.0000	08/16/18	0.009	08/16/18	0.0000
Sample #3 Date, Result	09/06/18	6.7	09/06/18	0.0053	09/06/18	0.0000	09/06/18	0.27	09/06/18	0.0000
Minimum		6.7		0.0000		0.0000		0.0090		0.0000
Maximum		6.9		0.0053		0.0002		0.2700		0.0000
Average		6.8		0.0018		0.0001		0.1003		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	09/20/18	0.0280	07/25/18	0.0510	07/25/18	0.0000	07/25/18	0.0000	07/25/18	0.2100
Sample #2 Date, Result			08/16/18	0.0530	08/16/18	0.0000	08/16/18	0.0000	08/16/18	0.0780
Sample #3 Date, Result			09/06/18	0.0570	09/06/18	0.0000	09/06/18	0.0000	09/06/18	0.0790
Minimum		0.0280		0.0510		0.0000		0.0000		0.0780
Maximum		0.0280		0.0570		0.0000		0.0000		0.2100
Average		0.0280		0.0537		0.0000		0.0000		0.1223
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	09/20/18	0.0022	09/20/18	0.0000	07/25/18	0.3300	07/25/18	0.0000	07/25/18	1.6000
Sample #2 Date, Result					08/16/18	0.1000	08/16/18	0.0000	08/16/18	1.7000
Sample #3 Date, Result					09/20/18	0.1200	09/06/18	0.0000	09/20/18	0.8800
Minimum		0.0022		0.0000		0.1000		0.0000		0.8800
Maximum		0.0022		0.0000		0.3300		0.0000		1.7000
Average		0.0022		0.0000		0.1833		0.0000		1.3933
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/25/18	0.6400	07/25/18	0.0300	07/25/18	0.0140	08/16/18	0.0040	07/25/18	14.1000
Sample #2 Date, Result	08/16/18	0.1500	08/16/18	0.1300	08/16/18	0.0039			08/16/18	5.2000
Sample #3 Date, Result	09/20/18	0.3400	09/20/18	0.1300	09/06/18	0.0019			09/06/18	7.6000
Minimum		0.1500		0.0300		0.0019		0.0040		5.2000
Maximum		0.6400		0.1300		0.0140		0.0040		14.1000
Average		0.3767		0.0967		0.0066		0.0040		8.9667
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	07/25/18	0.0400	09/20/18	350.0000	07/25/18	700.0000	07/25/18	1,500.00	07/25/18	15.00
Sample #2 Date, Result	08/16/18	0.1500			08/16/18	520.0000	08/16/18	980.00	08/16/18	30.00
Sample #3 Date, Result	09/06/18	0.3300			09/20/18	760.0000	09/20/18	650.00	09/20/18	24.00
Minimum		0.0400		350.0000		520.0000		650.00		15.00
Maximum		0.3300		350.0000		760.0000		1,500.00		30.00
Average		0.1733		350.0000		660.0000		1,043.33		23.00
	Sulfate		SGT-HEM							
Sample #1 Date, Result	07/25/18	500.000								
Sample #2 Date, Result	08/16/18	250.000								
Sample #3 Date, Result	09/20/18	230.000								
Minimum		230.000								
Maximum		500.000								
Average		326.667								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *TAC East, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper*	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury*	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0
SGT-HEM*	mg/L	26	0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

*Site Specific Limit

**If not specified, the unit is in mg/L

of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Central States Marketing Co.*

Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/25/18 8.4	07/25/18 0.0000	0.0000	08/01/18 0.0000	0.0000	08/01/18 0.0079	0.0079	08/01/18 0.0000	0.0000
Sample #2 Date, Result	08/01/18 8.4	08/01/18 0.0000	0.0000						
Sample #3 Date, Result									
Minimum	8.4	0.0000	0.0000	0.0000	0.0000	0.0079	0.0079	0.0000	0.0000
Maximum	8.4	0.0000	0.0000	0.0000	0.0000	0.0079	0.0079	0.0000	0.0000
Average	8.4	0.0000	0.0000	0.0000	0.0000	0.0079	0.0079	0.0000	0.0000
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	08/01/18 0.0000	08/01/18 0.0000	0.0000	08/01/18 0.0000	0.0000	07/25/18 0.0000	0.0000	08/01/18 0.0000	0.0000
Sample #2 Date, Result						08/01/18 0.0000	0.0000		
Sample #3 Date, Result									
Minimum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	08/01/18 0.0021	08/01/18 0.0000	0.0000	07/25/18 0.1200	0.1200	08/01/18 0.0000	0.0000	08/01/18 0.2100	0.2100
Sample #2 Date, Result				08/01/18 0.1300	0.1300				
Sample #3 Date, Result									
Minimum	0.0021	0.0000	0.0000	0.1200	0.1200	0.0000	0.0000	0.2100	0.2100
Maximum	0.0021	0.0000	0.0000	0.1300	0.1300	0.0000	0.0000	0.2100	0.2100
Average	0.0021	0.0000	0.0000	0.1250	0.1250	0.0000	0.0000	0.2100	0.2100
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	08/01/18 0.3400	08/01/18 0.0000	0.0000	08/01/18 0.0000	0.0000			08/01/18 0.0000	0.0000
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum	0.3400	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Maximum	0.3400	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Average	0.3400	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	07/25/18 0.9400	08/01/18 0.00	0.00	07/25/18 0.00	0.00	07/25/18 210.00	210.00	07/25/18 2.00	2.00
Sample #2 Date, Result	08/01/18 0.7400			08/01/18 13.00	13.00	08/01/18 110.00	110.00	08/01/18 1.30	1.30
Sample #3 Date, Result									
Minimum	0.7400	0.0000	0.0000	0.0000	0.0000	110.00	110.00	1.30	1.30
Maximum	0.9400	0.0000	0.0000	13.0000	13.0000	210.00	210.00	2.00	2.00
Average	0.8400	0.0000	0.0000	6.5000	6.5000	160.00	160.00	1.65	1.65
Sulfate									
Sample #1 Date, Result	07/25/18 20.000								
Sample #2 Date, Result	08/01/18 21.000								
Sample #3 Date, Result									
Minimum	20.000								
Maximum	21.000								
Average	20.500								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Central States Marketing Co.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.3	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30.0	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31.0	0	0
Phenols	mg/L	1.0	0	0
Chromium	mg/L	7.000	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

*Site Specific Limit

**If not specified, the unit is in mg/L

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/18/18 5.1	07/18/18	0.0000	07/18/18	0.0480	07/18/18	0.0000	07/18/18	0.0000
Sample #2 Date, Result	07/31/18 8.6	07/31/18	0.0000	07/31/18	0.0060	07/31/18	0.0000	07/31/18	0.0000
Sample #3 Date, Result									
Minimum	5.1	0.0000			0.0060		0.0000		
Maximum	8.6	0.0000			0.0480		0.0000		
Average	6.9	0.0000			0.0270		0.0000		
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result				07/18/18 0.0000	07/18/18 0.0000	07/18/18 0.0000	07/18/18 0.0950		
Sample #2 Date, Result				07/31/18 0.0000	07/31/18 0.0000	07/31/18 0.0000	07/31/18 0.0000		
Sample #3 Date, Result									
Minimum				0.0000	0.0000	0.0000	0.0000		
Maximum				0.0000	0.0000	0.0000	0.0950		
Average				0.0000	0.0000	0.0000	0.0475		
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result				07/18/18 0.3500	07/18/18 0.00010	07/18/18 3.5000			
Sample #2 Date, Result				07/31/18 0.4700	07/31/18 0.00000	07/31/18 0.2600			
Sample #3 Date, Result									
Minimum				0.3500	0.00000	0.2600			
Maximum				0.4700	0.00010	3.5000			
Average				0.4100	0.00005	1.8800			
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/18/18 0.8400	07/18/18 0.2800	07/18/18 0.0013		07/18/18 0.00				
Sample #2 Date, Result	07/31/18 0.7300	07/31/18 0.2200	07/31/18 0.0025		07/31/18 4.50				
Sample #3 Date, Result									
Minimum	0.7300	0.2200	0.0013		0.00				
Maximum	0.8400	0.2800	0.0025		4.50				
Average	0.7850	0.2500	0.0019		2.25				
Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	07/18/18 2.2000								
Sample #2 Date, Result	07/31/18 0.0000								
Sample #3 Date, Result									
Minimum	0.0000								
Maximum	2.2000								
Average	1.1000								
Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	07/18/18 690.00	07/18/18 1,500.00	07/18/18 60.00		07/18/18 690.00				
Sample #2 Date, Result	07/31/18 150.00	07/31/18 910.00	07/31/18 22.00		07/31/18 690.00				
Sample #3 Date, Result									
Minimum	150.00	910.00	22.00		690.00				
Maximum	690.00	1,500.00	60.00		690.00				
Average	420.00	1,205.00	41.00		690.00				

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									
o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Lakeshore Railcar & Tanker Services

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0000	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962		
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0019	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.0270	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Aug 01, 2018 to Aug 31, 2018

Industry Name: Lakeshore Railcar & Tanker Services

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	08/08/18	7.4	08/08/18	0.0000	08/15/18	0.0002	08/08/18	0.0120	08/08/18	0.0059
Sample #2 Date, Result	08/22/18	7.4	08/15/18	0.0020			08/15/18	0.0042	08/15/18	0.0037
Sample #3 Date, Result							08/22/18	0.0076		
Minimum		7.4		0.0000		0.0002		0.0042		0.0037
Maximum		7.4		0.0020		0.0002		0.0120		0.0059
Average		7.4		0.0010		0.0002		0.0079		0.0048
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	08/15/18	0.0560	08/15/18	0.0440	08/08/18	0.0000	08/08/18	0.0000	08/08/18	0.0200
Sample #2 Date, Result					08/15/18	0.0001	08/15/18	0.0007	08/15/18	0.0260
Sample #3 Date, Result										
Minimum		0.0560		0.0440		0.0000		0.0000		0.0200
Maximum		0.0560		0.0440		0.0001		0.0007		0.0260
Average		0.0560		0.0440		0.0000		0.0003		0.0230
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	08/15/18	0.0180	08/22/18	0.0000	08/08/18	0.3100	08/08/18	0.00000	08/08/18	0.5000
Sample #2 Date, Result					08/15/18	0.2400	08/15/18	0.00010	08/15/18	0.4600
Sample #3 Date, Result					08/22/18	0.1900	08/22/18	0.00000	08/22/18	0.4700
Minimum		0.0180		0.0000		0.1900		0.00000		0.4600
Maximum		0.0180		0.0000		0.3100		0.00010		0.5000
Average		0.0180		0.0000		0.2467		0.00003		0.4767
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	08/08/18	0.5000	08/08/18	0.1500	08/08/18	0.0029			08/08/18	6.10
Sample #2 Date, Result	08/15/18	0.1500	08/15/18	0.0800	08/15/18	0.0023			08/15/18	5.80
Sample #3 Date, Result	08/22/18	0.2200	08/22/18	0.1000						
Minimum		0.1500		0.0800		0.0023				5.80
Maximum		0.5000		0.1500		0.0029				6.10
Average		0.2900		0.1100		0.0026				5.95
	Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	08/08/18	0.1200								
Sample #2 Date, Result	08/15/18	0.8800								
Sample #3 Date, Result	08/22/18	0.0200								
Minimum		0.0200								
Maximum		0.8800								
Average		0.3400								
	Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	08/08/18	130.00	08/08/18	1,200.00	08/08/18	34.00			08/08/18	780.00
Sample #2 Date, Result	08/22/18	49.00	08/22/18	910.00	08/15/18	13.00			08/15/18	530.00
Sample #3 Date, Result					08/22/18	21.00			08/22/18	760.00
Minimum		49.00		910.00		13.00				530.00
Maximum		130.00		1,200.00		34.00				780.00
Average		89.50		1,055.00		22.67				690.00

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Aug 01, 2018 to Aug 31, 2018

Industry Name: Lakeshore Railcar & Tanker Services

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										
	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Aug 01, 2018 to Aug 31, 2018

Industry Name: Lakeshore Railcar & Tanker Services

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0010	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962	0.0002	0
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0026	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.0079	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name:		Lakeshore Railcar & Tanker Services							
Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	09/12/18 8.0	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0280	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0000
Sample #2 Date, Result	09/26/18 7.0	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0060	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0000
Sample #3 Date, Result									
Minimum	7.0	0.0000	0.0000	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000
Maximum	8.0	0.0000	0.0000	0.0000	0.0280	0.0000	0.0000	0.0000	0.0000
Average	7.5	0.0000	0.0000	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	09/12/18 0.0000	09/12/18 0.0360	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.0092	09/12/18 0.0000	09/12/18 0.0000
Sample #2 Date, Result	09/26/18 0.0000	09/26/18 0.0360	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.0092	09/26/18 0.0000	09/26/18 0.0000
Sample #3 Date, Result									
Minimum	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0092	0.0000	0.0092
Average	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000	0.0046
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	09/12/18 0.0000	09/12/18 0.0000	09/12/18 0.1800	09/12/18 0.1800	09/12/18 0.00000	09/12/18 0.00000	09/12/18 3.5000	09/12/18 0.0000	09/12/18 0.0000
Sample #2 Date, Result	09/26/18 0.0000	09/26/18 0.0000	09/26/18 0.1500	09/26/18 0.1500	09/26/18 0.00000	09/26/18 0.00000	09/26/18 0.7900	09/26/18 0.0000	09/26/18 0.0000
Sample #3 Date, Result									
Minimum	0.0000	0.0000	0.1500	0.1500	0.00000	0.00000	0.7900	0.0000	0.7900
Maximum	0.0000	0.0000	0.1800	0.1800	0.00000	0.00000	3.5000	0.0000	3.5000
Average	0.0000	0.0000	0.1650	0.1650	0.00000	0.00000	2.1450	0.0000	2.1450
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	09/12/18 0.1900	09/12/18 0.0100	09/12/18 0.0051	09/12/18 0.0051	09/12/18 0.0000	09/12/18 0.0000	09/12/18 1.60	09/12/18 0.0000	09/12/18 0.0000
Sample #2 Date, Result	09/26/18 0.0500	09/26/18 0.1200	09/26/18 0.0014	09/26/18 0.0014	09/26/18 0.0000	09/26/18 0.0000	09/26/18 2.20	09/26/18 0.0000	09/26/18 0.0000
Sample #3 Date, Result									
Minimum	0.0500	0.0100	0.0014	0.0014	0.0000	0.0000	1.60	0.0000	0.0000
Maximum	0.1900	0.1200	0.0051	0.0051	0.0000	0.0000	2.20	0.0000	0.0000
Average	0.1200	0.0650	0.0033	0.0033	0.0000	0.0000	1.90	0.0000	0.0000
Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400	09/12/18 0.0400
Sample #2 Date, Result	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500	09/26/18 0.0500
Sample #3 Date, Result									
Minimum	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400	0.0400
Maximum	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
Average	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	09/12/18 41.00	09/12/18 1,800.00	09/12/18 13.00	09/12/18 13.00	09/12/18 370.00	09/12/18 370.00	09/12/18 1,600.00	09/12/18 1,600.00	09/12/18 1,600.00
Sample #2 Date, Result	09/26/18 45.00	09/26/18 1,000.00	09/26/18 5.60	09/26/18 5.60	09/26/18 370.00	09/26/18 370.00	09/26/18 700.00	09/26/18 700.00	09/26/18 700.00
Sample #3 Date, Result									
Minimum	41.00	1,000.00	5.60	5.60	370.00	370.00	700.00	700.00	700.00
Maximum	45.00	1,800.00	13.00	13.00	370.00	370.00	1,600.00	1,600.00	1,600.00
Average	43.00	1,400.00	9.30	9.30	370.00	370.00	1,150.00	1,150.00	1,150.00

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name:		Lakeshore Railcar & Tanker Services							
Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									
o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name:		Lakeshore Railcar & Tanker Services							
Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	0.162	0	0	Antimony	mg/L	0.2060	0.0000	0
Cadmium	mg/L	0.474	0	0	Arsenic	mg/L	0.1040	0.0000	0
Copper	mg/L	0.5	0	0	Cadmium	mg/L	0.0962	0.0000	0
Lead	mg/L	0.350	0	0	Chromium	mg/L	0.3230	0.0033	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240	0.0000	0
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.2420	0.0170	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 531 - Praxair, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/10/18	7.8000	07/10/18	0.0130	07/10/18	0.0000	07/10/18	0.220	07/10/18	0.0270
Sample #2 Date, Result	08/27/18	7.5000	08/27/18	0.0140			08/27/18	0.067	08/27/18	0.0120
Sample #3 Date, Result	09/04/18	9.5000	09/04/18	0.0200			09/04/18	0.070	09/04/18	0.0110
Minimum		7.5		0.0130		0.0000		0.0670		0.0110
Maximum		9.5		0.0200		0.0000		0.2200		0.0270
Average		8.3		0.0157		0.0000		0.1190		0.0167
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	07/10/18	0.0120	07/10/18	0.0160	07/10/18	0.0000	07/10/18	0.0000	07/10/18	0.0000
Sample #2 Date, Result							08/27/18	0.0000	08/27/18	0.0180
Sample #3 Date, Result							09/04/18	0.0000	09/04/18	0.0320
Minimum		0.0120		0.0160		0.0000		0.0000		0.0000
Maximum		0.0120		0.0160		0.0000		0.0000		0.0320
Average		0.0120		0.0160		0.0000		0.0000		0.0167
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride (lbs/day)		Mercury		Ammonia	
Sample #1 Date, Result	07/10/18	0.0000	07/10/18	0.0000	07/10/18	0.680	07/10/18	0.0000	07/10/18	0.9700
Sample #2 Date, Result					09/04/18	0.851				
Sample #3 Date, Result										
Minimum		0.0000		0.0000		0.6799		0.0000		0.9700
Maximum		0.0000		0.0000		0.8512		0.0000		0.9700
Average		0.0000		0.0000		0.7655		0.0000		0.9700
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/10/18	0.9200	07/10/18	0.0100	07/10/18	0.0036	07/10/18	0.0073	07/10/18	0.0000
Sample #2 Date, Result	08/27/18	1.2100								
Sample #3 Date, Result	09/04/18	1.2700								
Minimum		0.9200		0.0100		0.0036		0.0073		0.0000
Maximum		1.2700		0.0100		0.0036		0.0073		0.0000
Average		1.1333		0.0100		0.0036		0.0073		0.0000
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	07/10/18	0.0800	07/10/18	5.00	07/10/18	50.0000	07/10/18	1,500.00	07/10/18	12.00
Sample #2 Date, Result	08/27/18	0.0000			08/27/18	50.0000	08/27/18	1,500.00	08/27/18	4.80
Sample #3 Date, Result	09/04/18	0.0500			09/04/18	48.0000	09/04/18	1,700.00	09/04/18	7.60
Minimum		0.0000		5.0000		48.0000		1,500.00		4.80
Maximum		0.0800		5.0000		50.0000		1,700.00		12.00
Average		0.0433		5.0000		49.3333		1,566.67		8.13
	Sulfate									
Sample #1 Date, Result	07/10/18	700.000								
Sample #2 Date, Result	08/27/18	570.000								
Sample #3 Date, Result	09/04/18	660.000								
Minimum		570.000								
Maximum		700.000								
Average		643.333								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 531 - Praxair, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/l	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride*	lbs/day	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**If not specified, the unit is in mg/L

of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 541 - Praxair, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/10/18	7.8	07/10/18	0.0090	07/10/18	0.0002	07/10/18	0.0054	07/10/18	0.0000
Sample #2 Date, Result	08/27/18	7.7	08/27/18	0.0120	08/27/18	0.0002	08/27/18	0.0082	08/27/18	0.0000
Sample #3 Date, Result	09/04/18	7.6	09/04/18	0.0110	09/04/18	0.0002	09/04/18	0.0057	09/04/18	0.0000
Minimum		7.6		0.0090		0.0002		0.0054		0.0000
Maximum		7.8		0.0120		0.0002		0.0082		0.0000
Average		7.7		0.0107		0.0002		0.0064		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	07/10/18	0.0091	07/10/18	0.0010	07/10/18	0.0000	07/10/18	0.0000	07/10/18	0.0250
Sample #2 Date, Result			08/27/18	0.0011	08/27/18	0.0000	08/27/18	0.0000	08/27/18	0.0540
Sample #3 Date, Result			09/04/18	0.0010	09/04/18	0.0000	09/04/18	0.0000	09/04/18	0.0350
Minimum		0.0091		0.0010		0.0000		0.0000		0.0250
Maximum		0.0091		0.0011		0.0000		0.0000		0.0540
Average		0.0091		0.0010		0.0000		0.0000		0.0380
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	07/10/18	0.0000	07/10/18	0.0000	07/10/18	0.4200	07/10/18	0.0000	07/10/18	5.1000
Sample #2 Date, Result					08/27/18	0.4000	09/04/18	0.0001		
Sample #3 Date, Result					09/04/18	0.5900				
Minimum		0.0000		0.0000		0.4000		0.0000		5.1000
Maximum		0.0000		0.0000		0.5900		0.0001		5.1000
Average		0.0000		0.0000		0.4700		0.0001		5.1000
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/10/18	0.8400	07/10/18	0.0100	07/10/18	0.0000	07/10/18	0.0060	07/10/18	0.0000
Sample #2 Date, Result	08/27/18	1.5800			08/27/18	0.0000			08/27/18	1.9000
Sample #3 Date, Result	09/04/18	0.7900			09/04/18	0.0000			09/04/18	1.7000
Minimum		0.7900		0.0100		0.0000		0.0060		0.0000
Maximum		1.5800		0.0100		0.0000		0.0060		1.9000
Average		1.0700		0.0100		0.0000		0.0060		1.2000
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	07/10/18	0.0500	07/10/18	6.50	07/10/18	42.00	07/10/18	300.00	07/10/18	30.00
Sample #2 Date, Result					08/27/18	97.00	08/27/18	420.00	08/27/18	41.00
Sample #3 Date, Result					09/04/18	37.00	09/04/18	390.00	09/04/18	17.00
Minimum		0.0500		6.50		37.00		300.00		17.00
Maximum		0.0500		6.50		97.00		420.00		41.00
Average		0.0500		6.50		58.67		370.00		29.33
	Sulfate									
Sample #1 Date, Result	07/10/18	56.000								
Sample #2 Date, Result	08/27/18	35.000								
Sample #3 Date, Result	09/04/18	37.000								
Minimum		35.000								
Maximum		56.000								
Average		42.667								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 541 - Praxair, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

*Site Specific Limit

**If not specified, the unit is in mg/L

of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/16/18 11.7	07/16/18	0.0000			07/16/18	0.0140		
Sample #2 Date, Result	08/13/18 8.5	08/13/18	0.0000			08/13/18	0.0000		
Sample #3 Date, Result	09/26/18 7.3	09/26/18	0.0000			09/26/18	0.0000		
Minimum	7.3	0.0000				0.0000			
Maximum	11.7	0.0000				0.0140			
Average	9.2	0.0000				0.0047			
Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result						07/16/18 0.0000	07/16/18	0.1200	
Sample #2 Date, Result						08/13/18 0.0000	08/13/18	0.0000	
Sample #3 Date, Result						09/26/18 0.0000	09/26/18	0.0500	
Minimum						0.0000		0.0000	
Maximum						0.0000		0.1200	
Average						0.0000		0.0567	
Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result				07/16/18 0.6900					
Sample #2 Date, Result				08/13/18 0.1300					
Sample #3 Date, Result				09/26/18 0.1300					
Minimum				0.1300					
Maximum				0.6900					
Average				0.3167					
Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	09/26/18 0.3300			08/13/18 0.0000					
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum	0.3300			0.0000					
Maximum	0.3300			0.0000					
Average	0.3300			0.0000					
Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result				07/16/18 170.00	07/16/18 1,300.00	07/16/18	47.00		
Sample #2 Date, Result				08/13/18 16.00	08/13/18 180.00	08/13/18	3.20		
Sample #3 Date, Result				09/26/18 27.00	09/26/18 340.00	09/26/18	14.00		
Minimum				16.00	180.00		3.20		
Maximum				170.00	1,300.00		47.00		
Average				71.00	606.67		21.40		
Sulfate									
Sample #1 Date, Result	07/16/18 360.000								
Sample #2 Date, Result	08/13/18 26.000								
Sample #3 Date, Result	09/26/18 32.000								
Minimum	26.000								
Maximum	360.000								
Average	139.333								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

Daily Max Limits					Other Limits				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Daily Minimum	Daily Maximum	Violations
Arsenic	mg/L	1.31	0	0	Field pH	su	5	10	1
Cadmium	mg/L		0	0					
Copper	mg/L	0.88	0	0					
Lead	mg/L	2.28	0	0					
Molybdenum	mg/L	2.8	0	0					
Nickel	mg/L	0.80	0	0					
Silver	mg/L		0	0					
Thallium	mg/L		0	0					
Zinc	mg/L	5.5	0	0					
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0					
Fluoranthene	mg/L		0	0					
Fluoride	mg/L	30	0	0					
Mercury	mg/L	0.0002	0	0					
Ammonia	mg/L	134	0	0					
Phosphorus	mg/L	31	0	0					
Phenols	mg/L	0.96	0	0					
Chromium	mg/L	7.0	0	0					
Available Cyanide	mg/L	0.019	0	0					
Oil & Grease	mg/L	117	0	0					
Residual Chlorine	mg/L		0	0					

*Site Specific Limit
**If not specified, the unit is in mg/L

of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Safety Kleen Systems

		Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/26/18	5.1	07/26/18	0.0090		07/26/18	0.0250	07/26/18	0.00000		
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum		5.1		0.0090			0.0250		0.0000		
Maximum		5.1		0.0090			0.0250		0.0000		
Average		5.1		0.0090			0.0250		0.0000		
		Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	07/26/18	0.02300	07/26/18	0.02000		07/26/18	0.00000	07/26/18	0.1200		
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum		0.0230		0.0200			0.0000		0.1200		
Maximum		0.0230		0.0200			0.0000		0.1200		
Average		0.0230		0.0200			0.0000		0.1200		
		Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result				07/26/18	0.56	07/26/18	0.00030	07/26/18	6.70		
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum					0.5600		0.0003		6.7000		
Maximum					0.5600		0.0003		6.7000		
Average					0.5600		0.0003		6.7000		
		Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/26/18	1.2500	07/26/18	0.0800	07/26/18	0.0550	07/26/18	0.0240	07/26/18	13.8000	
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum		1.2500		0.0800		0.0550		0.0240		13.8000	
Maximum		1.2500		0.0800		0.0550		0.0240		13.8000	
Average		1.2500		0.0800		0.0550		0.0240		13.8000	
		Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	07/26/18	0.6700		07/26/18	310.000			07/26/18	880.00		
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum		0.6700			310.000				880.00		
Maximum		0.6700			310.000				880.00		
Average		0.6700			310.000				880.00		
		TDS		TSS							
Sample #1 Date, Result	07/26/18	480.00	07/26/18	216.00							
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum				216.00							
Maximum				216.00							
Average				216.00							

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Safety Kleen Systems

Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									
o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result									
Sample #2 Date, Result									
Sample #3 Date, Result									
Minimum									
Maximum									
Average									

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Jul 31, 2018

Industry Name:

Safety Kleen Systems

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	1.310	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L		0	0	Arsenic	mg/L	0.1040	0.0090	0
Copper	mg/L	0.88	0	0	Cadmium	mg/L	0.0962		
Lead*	mg/L	2.280	0	0	Chromium	mg/L	0.4870	0.0550	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.3010	0.0250	0

Industry Name:		Safety Klean Systems									
		Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	08/07/18	6.7	08/31/18	0.0071	08/31/18	0.00030	08/07/18	0.0200	08/07/18	0.00000	
Sample #2 Date, Result	08/30/18	6.1					08/31/18	0.0120	08/31/18	0.00000	
Sample #3 Date, Result											
Minimum		6.1		0.0071		0.0003		0.0120		0.0000	
Maximum		6.7		0.0071		0.0003		0.0200		0.0000	
Average		6.4		0.0071		0.0003		0.0160		0.0000	
		Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	08/31/18	0.01300	08/31/18	0.01800	08/31/18	0.00000	08/31/18	0.00000	08/07/18	0.1100	
Sample #2 Date, Result									08/31/18	0.0520	
Sample #3 Date, Result											
Minimum		0.0130		0.0180		0.0000		0.0000		0.0520	
Maximum		0.0130		0.0180		0.0000		0.0000		0.1100	
Average		0.0130		0.0180		0.0000		0.0000		0.0810	
		Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	08/07/18	0.0000	08/07/18	0.000	08/07/18	1.50	08/07/18	0.00000	08/31/18	16.00	
Sample #2 Date, Result	08/31/18	0.0000	08/31/18	0.000	08/31/18	0.66	08/31/18	0.00000			
Sample #3 Date, Result											
Minimum		0.0000		0.0000		0.6600		0.0000		16.0000	
Maximum		0.0000		0.0000		1.5000		0.0000		16.0000	
Average		0.0000		0.0000		1.0800		0.0000		16.0000	
		Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	08/31/18	0.3900	08/31/18	0.0600	08/07/18	0.0580	08/30/18	0.0140	08/30/18	5.7000	
Sample #2 Date, Result					08/31/18	0.0260					
Sample #3 Date, Result											
Minimum		0.3900		0.0600		0.0260		0.0140		5.7000	
Maximum		0.3900		0.0600		0.0580		0.0140		5.7000	
Average		0.3900		0.0600		0.0420		0.0140		5.7000	
		Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	08/07/18	0.3000			08/07/18	370.000	08/07/18	15.00	08/31/18	380.00	
Sample #2 Date, Result	08/30/18	0.0900			08/31/18	340.000	08/31/18	6.00			
Sample #3 Date, Result											
Minimum		0.0900				340.000		6.00		380.00	
Maximum		0.3000				370.000		15.00		380.00	
Average		0.1950				355.000		10.50		380.00	
		TDS		TSS							
Sample #1 Date, Result	08/07/18	530.00	08/07/18	140.00							
Sample #2 Date, Result	08/31/18	500.00	08/31/18	7.80							
Sample #3 Date, Result											
Minimum				7.80							
Maximum				140.00							
Average				73.90							

Industry Name:		Safety Klean Systems									
		Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											
		o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result											
Sample #2 Date, Result											
Sample #3 Date, Result											
Minimum											
Maximum											
Average											

Industry Name:		Safety Klean Systems									
Daily Max Limits							Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances			Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	1.310	0	0			Antimony	mg/L	0.2060		
Cadmium	mg/L		0	0			Arsenic	mg/L	0.1040	0.0071	0
Copper	mg/L	0.88	0	0			Cadmium	mg/L	0.0962	0.0003	0
Lead*	mg/L	2.280	0	0			Chromium	mg/L	0.4870	0.0420	0
Molybdenum	mg/L	2.8	0	0			Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0			Copper	mg/L	0.3010	0.0160	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name: *Safety Kleen Systems*

	Field pH	Arsenic	Cadmium	Copper	Lead
Sample #1 Date, Result	09/13/18 6.2	09/13/18 0.0059	09/13/18 0.0150	09/13/18 0.00000	
Sample #2 Date, Result	09/25/18 6.6	09/25/18 0.0000	09/25/18 0.0230	09/25/18 0.00000	
Sample #3 Date, Result					
Minimum	6.2	0.0000	0.0150	0.0000	
Maximum	6.6	0.0059	0.0230	0.0000	
Average	6.4	0.0030	0.0190	0.0000	
	Molybdenum	Nickel	Silver	Thallium	Zinc
Sample #1 Date, Result	09/13/18 0.02200	09/13/18 0.01700	09/13/18 0.00000	09/13/18 0.0280	
Sample #2 Date, Result	09/25/18 0.02700	09/25/18 0.01700	09/25/18 0.00000	09/25/18 0.0660	
Sample #3 Date, Result					
Minimum	0.0220	0.0170	0.0000	0.0280	
Maximum	0.0270	0.0170	0.0000	0.0660	
Average	0.0245	0.0170	0.0000	0.0470	
	Bis(2-ethylhexyl)phthalate	Fluoranthene	Fluoride	Mercury	Ammonia
Sample #1 Date, Result			09/13/18 0.94	09/13/18 0.00010	09/13/18 5.00
Sample #2 Date, Result			09/25/18 1.20	09/25/18 0.00040	09/25/18 11.00
Sample #3 Date, Result					
Minimum			0.9400	0.0001	5.0000
Maximum			1.2000	0.0004	11.0000
Average			1.0700	0.0003	8.0000
	Phosphorus	Phenols	Chromium	Available Cyanide	Oil & Grease
Sample #1 Date, Result	09/13/18 0.2100	09/13/18 0.1300	09/13/18 0.0350	09/13/18 0.0180	09/13/18 4.9000
Sample #2 Date, Result	09/25/18 0.4000	09/25/18 0.0200	09/25/18 0.0620	09/25/18 0.0160	09/25/18 3.9000
Sample #3 Date, Result					
Minimum	0.2100	0.0200	0.0350	0.0160	3.9000
Maximum	0.4000	0.1300	0.0620	0.0180	4.9000
Average	0.3050	0.0750	0.0485	0.0170	4.4000
	Residual Chlorine	Tin	Sulfate	Biochemical Oxygen Demand	Chemical Oxygen Demand
Sample #1 Date, Result	09/13/18 0.0000		09/13/18 300.000		09/13/18 650.00
Sample #2 Date, Result	09/25/18 2.0700		09/25/18 430.000		09/25/18 430.00
Sample #3 Date, Result					
Minimum	0.0000		300.000		430.00
Maximum	2.0700		430.000		650.00
Average	1.0350		365.000		540.00
	TDS	TSS			
Sample #1 Date, Result	09/13/18 770.00	09/13/18 22.00			
Sample #2 Date, Result	09/25/18 840.00	09/25/18 150.00			
Sample #3 Date, Result					
Minimum		22.00			
Maximum		150.00			
Average		86.00			

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name: *Safety Kleen Systems*

	Antimony	Cobalt	Titanium	Vanadium	Carbazole
Sample #1 Date, Result					
Sample #2 Date, Result					
Sample #3 Date, Result					
Minimum					
Maximum					
Average					
	o-Cresol	p-Cresol	n-Decane	n-Octadecane	2,4,6-Trichlorophenol
Sample #1 Date, Result					
Sample #2 Date, Result					
Sample #3 Date, Result					
Minimum					
Maximum					
Average					

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Sep 01, 2018 to Sep 30, 2018

Industry Name: *Safety Kleen Systems*

Daily Max Limits					Monthly Average Limits*				
Parameter	Units	Daily Max Limit	Violations	TRC Exceedances	Parameter	Units	Monthly Average Limit	Average	Violations
Arsenic*	mg/L	1.310	0	0	Antimony	mg/L	0.2060		
Cadmium	mg/L		0	0	Arsenic	mg/L	0.1040	0.0030	0
Copper	mg/L	0.88	0	0	Cadmium	mg/L	0.0962		
Lead*	mg/L	2.280	0	0	Chromium	mg/L	0.4870	0.0485	0
Molybdenum	mg/L	2.8	0	0	Cobalt	mg/L	0.1240		
Nickel	mg/L	0.80	0	0	Copper	mg/L	0.3010	0.0190	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *United States Gypsum Company*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	07/12/18	7.9	07/12/18	0.0000	09/06/18	0.0000	07/12/18	0.0120	07/12/18	0.0000
Sample #2 Date, Result	08/30/18	8.0	08/30/18	0.0000			08/30/18	0.0065	08/30/18	0.0000
Sample #3 Date, Result	09/06/18	7.8	09/06/18	0.0000			09/06/18	0.0087	09/06/18	0.0000
Minimum		7.8		0.0000		0.0000		0.0065		0.0000
Maximum		8.0		0.0000		0.0000		0.0120		0.0000
Average		7.9		0.0000		0.0000		0.0091		0.0000
	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	09/06/18	0.0000	09/06/18	0.0011	07/12/18	0.0000	07/12/18	0.0000	09/06/18	0.0760
Sample #2 Date, Result					08/30/18	0.0000	08/30/18	0.0000		
Sample #3 Date, Result					09/06/18	0.0000	09/06/18	0.0000		
Minimum		0.0000		0.0011		0.0000		0.0000		0.0760
Maximum		0.0000		0.0011		0.0000		0.0000		0.0760
Average		0.0000		0.0011		0.0000		0.0000		0.0760
	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	09/06/18	0.0000	09/06/18	0.0000	07/12/18	0.5700	08/30/18	0.0000	07/12/18	46.0000
Sample #2 Date, Result					08/30/18	0.7700	09/06/18	0.0000	08/30/18	41.0000
Sample #3 Date, Result					09/06/18	0.8000			09/06/18	19.0000
Minimum		0.0000		0.0000		0.5700		0.0000		19.0000
Maximum		0.0000		0.0000		0.8000		0.0000		46.0000
Average		0.0000		0.0000		0.7133		0.0000		35.3333
	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	07/12/18	6.8400	09/06/18	0.0000	09/06/18	0.0011	07/12/18	0.0056	07/12/18	9.6000
Sample #2 Date, Result	08/30/18	4.6800							08/30/18	0.0000
Sample #3 Date, Result	09/06/18	3.5200							09/06/18	3.5000
Minimum		3.5200		0.0000		0.0011		0.0056		0.0000
Maximum		6.8400		0.0000		0.0011		0.0056		9.6000
Average		5.0133		0.0000		0.0011		0.0056		4.3667
	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	09/06/18	0.0000	09/06/18	200.00	07/12/18	230.00	07/12/18	1,100.00	07/12/18	62.00
Sample #2 Date, Result					08/30/18	130.00	08/30/18	1,300.00	08/30/18	39.00
Sample #3 Date, Result					09/06/18	380.00	09/06/18	1,300.00	09/06/18	60.00
Minimum		0.0000		200.00		130.00		1,100.00		39.00
Maximum		0.0000		200.00		380.00		1,300.00		62.00
Average		0.0000		200.00		246.67		1,233.33		53.67
	Sulfate									
Sample #1 Date, Result	07/12/18	230.000								
Sample #2 Date, Result	08/30/18	340.000								
Sample #3 Date, Result	09/06/18	430.000								
Minimum		230.000								
Maximum		430.000								
Average		333.333								

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jul 01, 2018 to Sep 30, 2018

Industry Name: *United States Gypsum Company*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

*Site Specific Limit
**If not specified, the unit is in mg/L

of Violations and # of TRC Exceedances based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specific Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.